

DIVISION OF OIL, GAS, AND MINING

BOND ESTIMATE

OPERATOR: Atlas Minerals
MINE NAME: Locust Spider
LOCATION: East Canyon
COUNTY: San Juan
DATE: December 28, 1982

ACT/037/008

Operation	Amount	Rate	Cost
CLEAN-UP			
1. Removal of structures & equipment.	N/A	N/A	N/A
2. Removal of trash & debris.	0.8 acres	\$100 acre	\$80
3. Leveling of ancillary facilities pads and access roads.	N/A	N/A	N/A
REGRADING & RECONTOURING			
1. Earthwork including haulage and grading of spoils, waste and overburden.	0.8 acres	\$1000/acre	\$800
2. Recontouring of highwalls and excavations.	N/A	N/A	N/A
3. Spreading of soil or surficial materials.	N/A	N/A	N/A
STABILIZATION			
1. Soil preparation, scarification, fertilization, etc.	----- Included in regrading -----		
2. Seeding or planting.	0.8 acres	\$125/acre	\$100
3. Construction of terraces, waterbars, etc.	----- Included in regrading -----		
LABOR			
1. Supervision.	20 hrs	\$15/hr	\$300
2. Labor exclusive of bulldozer time. }			
SAFETY			
1. Erection of fences, portal coverings, etc.	N/A	N/A	N/A
2. Removal or neutralization of explosive or hazardous materials.	N/A	N/A	N/A
MONITORING			
1. Continuing or periodic monitoring, sampling & testing deemed necessary.	80 hrs	\$15/hr	\$1,200
OTHER			
1. Contingency costs	10,458 \$2,480	10%	\$248
Total	N/A	N/A	\$2,728

BOARD ESTIMATE

OPERATOR: ATLAS MINERALS, DIVISION OF ATLAS CORPORATION
 MINE NAME: Locust-Spider
 LOCATION: Section 5, Township 32 South, Range 25 East
 COUNTY: San Juan County, Utah
 DATE: February 23, 1977

	Operation	Amount	Rate	Cost
A.	CLEAN-UP			
	1. Removal of structures & equipment.	20 man hrs	\$ 8./hr	\$ 160.
	2. Removal of trash & debris.	5 load hrs	25./hr	125.
	3. Leveling of ancillary facilities pads and access roads.	10 truck hrs	50./hr	200.
B.	REGRAIDING & RECONTOURING			
	1. Earthwork including haulage and grading of spoils, waste and overburden.	4 hours Bulldozer	50./hr	200.
	2. Recontouring of highwalls and excavations.	- - -	- -	-
	3. Spreading of soil or surficial materials.	- - -	- -	-
C.	STABILIZATION			
	1. Soil preparation, scarification, fertilization, etc.	.8 acres	100./ac	80.
	2. Seeding or planting.			
	3. Construction of terraces, waterbars, etc.	1 hour Bulldozer	50./hr	50.
D.	LABOR			
	1. Supervision.	10 hours	10./hr	100.
	2. Labor exclusive of bulldozer time			
E.	SAFETY			
	1. Erection of fences, portal coverings, etc.	1 portal	300./ea	300.
		2 vents	25./ea	50.
	2. Removal or neutralization of explosive or hazardous materials.	- - -	- -	-
F.	MONITORING			
	1. Continuing or periodic monitoring, sampling & testing deemed necessary.	- - -	- -	-
G.	OTHER			
	1. Inflation	10 years	5%	764.
				SUBTOTAL
				1,215.
				764.
				1,979.
				TOTAL

11. Mining

Uranium ore in the Saltwash Sandstone member of the Morrison formation will be mined underground through the existing Locust-Spider portal. Mining will be conducted in a safe, orderly, and minerlike fashion using a modified room and pillar technique.

The mine will be located at a predisturbed site. To facilitate mining operations, the existing ore pad and access road will be widened. The waste dump will be shifted fifty feet south from the existing dump so that waste rock will be contained on lower ledges of the canyon wall. This will aid in preventing sloughing of waste into the East Canyon Wash.

Because the site has been previously disturbed, topsoil is not available for stockpiling.

There are no natural water bodies in the area; the East Canyon Wash drains surface run-off from the surrounding area.

12. Reclamation

Upon final abandonment of the mine, extraneous debris, scrap metal and wood, and unusable buildings will be buried or removed from the location. The port and any ventilation holes will be sealed to prevent unauthorized or accidental entr.

The mine portal area, ore pad, and mine camp will be regraded, scarified and seeded with the specified mixture. Since the waste dump is extremely steep off the canyon wall and inaccessible to heavy equipment, the tops of outside faces will be rounded off. Stabilized portions of the dump will be seeded. The main road through the site will be left open to provide future access into the area.

Seeded areas will be monitored and reseeded if necessary. Soil amendments may be used depending upon the results of revegetation studies in the area.